

Homework_Data_Viz_batch_10

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Hello world

```
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr      1.1.4      v readr      2.1.5
## v forcats    1.0.0      v stringr   1.5.1
## v ggplot2    3.5.1      v tibble    3.2.1
## v lubridate  1.9.3      v tidyr     1.3.1
## v purrr      1.0.2
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```
print("Loaded library for data visualization")
```

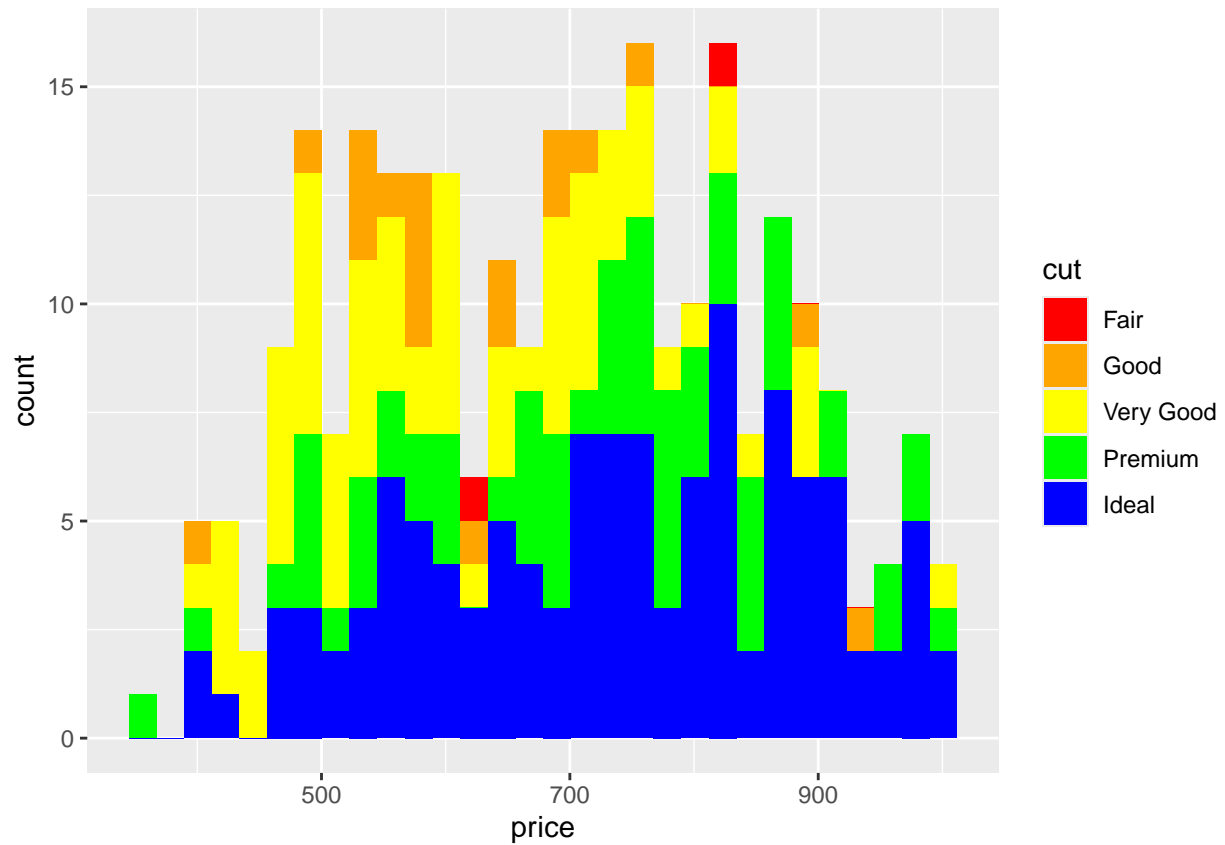
```
## [1] "Loaded library for data visualization"
```

Prepare Data

```
small_df <- diamonds %>%
  filter(carat < 2) %>%
  sample_n(1000)

small_df %>%
  select(carat, cut, price) %>%
  filter(price <= 1000) %>%
  ggplot(aes(price, fill = cut)) +
  geom_histogram(position = "stack") +
  scale_fill_manual(values = c("red", "orange", "yellow", "green", "blue"))
```

```
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
```



My first chart

```
ggplot(small_df, aes(price, fill = cut)) +  
  geom_histogram()
```

'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.

